

KOTZIN ET AL.
"Handover During Packet Session in Wireless
Communication Networks and Methods"
Atty. Docket No. CS23254RA

Appl. No. 10/647,410
Confirm. No. 2657
Examiner J. Stein
Art Unit 2685

REMARKS

Request for Reconsideration, Informal Matters, Claims Pending

The non-final Office action mailed on 27 July 2005 has been considered carefully. Reconsideration of the claimed invention in view of the amendments above and the discussion below is respectfully requested.

Applicants respectfully decline to amend the specification as recommended by the Examiner.

Claims 1-5 and 7-20 are pending.

Allowability of Claims Over Coskun

Rejection Summary

Claims 1-17 stand rejected under 35 USC 102(e) for anticipation by U.S. Publication No. 2002/0082018 (Coskun).

Allowability of Claim 1

Claim 1 was amended to include limitations of original Claim 6, which has been canceled. Coskun fails to disclose or suggest an

... method in a mobile communications device, the method comprising:
participating in a packet session;
identifying a handover target in the mobile communications device;
sending handover information for the identified handover target to a packet
server while in the packet session;

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receiving radio resource information for the identified handover target from
the packet server in response to sending the handover information to the packet
server.

Coskun discloses a wireless communication network having a computing apparatus that allocates network resources to a mobile terminal. More particularly, in FIG. 2 of Coskun, the mobile terminal (MT) sends pilot signals measurements (PSM) to a RLA/RRM (32), which forwards the measurements to HM/PSM (34). Coskun, para. [0037]. In Coskun, the HM/PSM (34) determines whether a handoff is required and, if so, the HM/PSM (34) requests that a signaling channel be allocated to the MT. Coskun, para. [0038]. Thus Coskun does not disclose "...identifying a handover target in the mobile communications device..." since the HM/PSM (34) in the network of Coskun performs this function based on the PSM received from the MT. Claim 1 is thus patentably distinguished over Coskun.

Allowability of Claim 8

Claim 8 was amended to depend directly from Claim 1 and to indicate that the mobile device identifies a plurality of potential handover targets. Coskun fails to disclose or suggest in combination with the limitations of Claim 1,

... identifying a plurality of potential handover targets to the packet
server,
receiving radio resource information from the packet server for at least
one of the handover targets identified.

Coskun merely sends pilot signal measurements (PSM) to the network, which determines whether to and when to handover the MT to a new cell. The MT in

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Coskun does not identify one or more handoff targets. Claim 8 is thus further patentably distinguished over Coskun.

Allowability of Claim 10

Regarding Claim 10, Coskun fails to disclose or suggest an

... method in a packet server connected to a communications network,
the method comprising:
receiving information from a mobile wireless communications device
identifying a handover target;
negotiating with a radio communications network for a radio resource
transfer for the handover target identified by the mobile wireless
communications device,
sending, from the packet server, radio resource information for the
handover target identified to the mobile wireless communications device.

Coskun discloses a wireless communication network having a computing apparatus that allocates network resources to a mobile terminal. More particularly, in FIG. 2 of Coskun, the mobile terminal (MT) sends pilot signals measurements (PSM) to a RLA/RRM (32), which forwards the measurements to HM/PSM (34). Coskun, para. [0037]. In Coskun, the HM/PSM (34) determines whether a handoff is required and, if so, the HM/PSM (34) requests that a signaling channel be allocated to the MT. Coskun, para. [0038]. In Coskun, the network does not receive "... information from a mobile wireless communications device identifying a handover target ..." since the HM/PSM (34) in the network of Coskun performs this function based on the PSM received from the MT. Claim 10 is thus patentably distinguished over Coskun.

Allowability of Claim 13

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Regarding Claim 13, Coskun fails to disclose or suggest in combination with the limitations of Claim 10,

... receiving handover information from the mobile wireless communications device includes receiving a plurality of handover targets identified by the mobile wireless communications device,
sending radio resource information to the mobile wireless communications device for at least one of the handover targets identified by the mobile wireless communications device.

Coskun merely sends pilot signal measurements (PSM) to the network, which determines whether to and when to handover the MT to a new cell. The MT in Coskun does not identify one or more handoff targets. Claim 13 is thus further patentably distinguished over Coskun.

Allowability of Claim 15

Regarding Claim 15, Coskun fails to disclose or suggest an

... method in a mobile communications device in a packet session, the method comprising:
deciding to handover to a target cell;
sending handover information for the target cell to a packet server during a packet session;
receiving radio resource information from the packet server for the target cell before handing over to the target cell.

Coskun discloses a wireless communication network having a computing apparatus that allocates network resources to a mobile terminal. More particularly, in FIG. 2 of Coskun, the mobile terminal (MT) sends pilot signals measurements (PSM) to a RLA/RRM (32), which forwards the measurements to HM/PSM (34). Coskun, para. [0037]. In Coskun, the HM/PSM (34) determines whether a handoff is required and, if so, the

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HM/PSM (34) requests that a signaling channel be allocated to the MT. Coskun, para. [0038]. Thus Coskun does not disclose "... deciding to handover to a target cell [and] sending handover information for the target cell to a packet server during a packet session ..." in a mobile terminal since, in Coskun, the HM/PSM (34) in the network of Coskun performs this function based on the PSM provided by the MT. Claim 15 is thus patentably distinguished over Coskun.

Allowability of Claim 18

Regarding Claim 8, Coskun fails to disclose or suggest in combination with the limitations of Claim 1,

... making a handover decision in the mobile communications device.

In Coskun, the HM/PSM (34) in the network makes the handover decision. Claim 18 is thus further patentably distinguished over Coskun.

Allowability of Claim 19

Regarding Claim 19, Coskun fails to disclose or suggest in combination with the limitations of Claim 10,

... negotiating with the radio communications network without making a handover decision for the mobile wireless communications device.

In Coskun, the HM/PSM (34) in the network makes the handover decision. Claim 19 is thus further patentably distinguished over Coskun.

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Allowability of Claim 20

Regarding Claim 20, Coskun fails to disclose or suggest an

... method in a wireless communications network entity, the method comprising:
receiving handover information from a mobile wireless communications device identifying a potential handover target;
communicating handover information to the potential handover target before the mobile wireless communications device handover to the potential handover target.

Coskun discloses a wireless communication network having a computing apparatus that allocates network resources to a mobile terminal. More particularly, in FIG. 2 of Coskun, the mobile terminal (MT) sends pilot signals measurements (PSM) to a RLA/RRM (32), which forwards the measurements to HM/PSM (34). Coskun, para. [0037]. In Coskun, the HM/PSM (34) determines whether a handoff is required and, if so, the HM/PSM (34) requests that a signaling channel be allocated to the MT. Coskun, para. [0038]. Thus Coskun does not disclose "...receiving handover information from a mobile wireless communications device identifying a potential handover target; communicating handover information to the potential handover target before the mobile wireless communications device handover to the potential handover target..." in a mobile terminal since, in Coskun, the HM/PSM (34) in the network of Coskun performs this function based on the PSM provided by the MT. Claim 20 is thus patentably distinguished over Coskun.

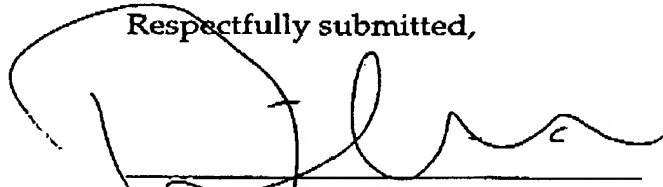
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Prayer For Relief

In view of the amendments and the discussion above, the Claims of the present application are in condition for allowance. Kindly withdraw any rejections and objections and allow this application to issue as a United States Patent without further delay.

Respectfully submitted,



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